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FORM PTO-1449 U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket Number
5051-441Serial No.
To be assigned

LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)

Applicants:

DeSimone et al.

Filing Date
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Group

U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
NP	1.	5,242,877	09/07/93	Dobson et al.	502	159	
NP	2.	5,274,129	12/28/93	Natale et al.	549	349	
NP	3.	5,356,538	10/18/94	Wai et al.	210	634	
NP	4.	5,451,633	09/19/95	DeSimone et al.	524	731	
NP	5.	5,463,082	10/31/95	Horvath et al.	549	46	
NP	6.	5,589,105	12/31/96	DeSimone et al.	252	351	
NP	7.	5,606,724	02/25/97	Wai et al.	423	3	
NP	8.	5,641,887	06/24/97	Beckman et al.	546	26.2	
NP	9.	5,639,836	06/17/97	DeSimone et al.	526	201	
NP	10.	5,676,705	10/14/97	Jureller et al.	8	142	
NP	11.	5,679,737	10/21/97	DeSimone et al.	524	529	
NP	12.	5,683,977	11/04/97	Jureller et al.	510	286	
NP	13.	5,730,874	03/24/98	Wai et al.	210	638	
NP	14.	5,739,223	04/14/98	DeSimone	526	89	
NP	15.	5,763,662	06/09/98	Ikariya et al.	564	132	
NP	16.	5,783,082	07/21/98	DeSimone et al.	210	634	
NP	17.	5,869,739	02/09/99	Ikariya et al.	560	231	
NP	18.	09/185,891	11/04/98	DeSimone et al.	<i>considered do not print</i>		

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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| NP | 19. | Baiker, "Supercritical Fluids in Heterogeneous Catalysis," <i>Chem. Rev.</i> 99:453-473 (1999). <i>-no month</i> |
| NP | 20. | Bailey et al., "Immobilized Transition Metal Carbonyls and Related Catalysts," <i>Chemical Reviews</i> 81:2 109-148 (April 1981). |
| NP | 21. | Baker et al., "Toward Greener Chemistry," <i>Science</i> 284:1477-1479 (28 May 1999). |
| NP | 22. | Clark et al., "Extended Alkylate Production Activity during Fixed-Bed Supercritical 1-Butene/Isobutane Alkylation on Solid Acid Catalysts Using Carbon Dioxide as a Diluent," <i>Ind. Eng. Chem. Res.</i> 37:1243-1250 (1998). <i>-no month</i> |
| NP | 23. | Dordick et al., "Chemical and biochemical catalysis to make swellable polymers," <i>Chemtech</i> 33-39 (January 1994). |
| NP | 24. | Dordick et al., "Biocatalytic plastics," <i>Chemistry & Industry</i> 17-20 (5 January 1998). |
| NP | 25. | Dumont et al., "Asymmetric Catalytic Reduction with Transition Metal Complexes. II. Asymmetric Catalysis by a Supported Chiral Rhodium Complex," <i>Journal of the American Chemical Society</i> 95:25 8295-8299 (December 12, 1973). |
| NP | 26. | Fürstner et al., "Olefin Metathesis in Compressed Carbon Dioxide," <i>Angew. Chem. Int. Ed. Engl.</i> 36:22 2466-2469 (1997). <i>-no month</i> |
| NP | 27. | Guillevis et al., "Synthesis, Structure, and Oxidative Additions of a Fluorous Analogue of Vaska's Complex, <i>trans</i> -[IrCl(CO){P(CH ₂ CH ₂ (CF ₃) ₂ CF ₃) ₂] ₂ - Altered Reactivity in Fluorocarbons and Implications for Catalysis," <i>Angew. Chem. Int. Ed. Engl.</i> 36:15 1612-1630 (1997). <i>-no month</i> |
| NP | 28. | Hitzler et al., "Continuous hydrogenation of organic compounds in supercritical fluids," <i>Chem. Commun.</i> 1667-1668 (1997). <i>-no month</i> |
| NP | 29. | Hori et al., "Rhodium-Catalyzed Phenylacetylene Polymerization in Compressed Carbon Dioxide," <i>Macromolecules</i> 32:3178-3182 (1999). <i>-no month</i> |
| NP | 30. | Horvath et al., "Facile Catalyst Separation Without Water: Fluorous Biphasic Hydroformylation of Olefins," <i>Science</i> 266:72-75 (7 October 1994). |
| NP | 31. | Horvath et al., "Molecular Engineering in Homogeneous Catalysis: One-Phase Catalysis Coupled with Biphasic Catalyst Separation. The Fluorous-Soluble HRh(CO) {P(CH ₂ CH ₂ (CF ₃) ₂ CF ₃) ₂ Hydroformylation System," <i>J. Am. Chem. Soc.</i> 120:3133-3143 (1998). <i>-no month</i> |
| NP | 32. | Jessop et al., "Homogeneous Catalysis in Supercritical Fluids: Hydrogenation of Supercritical Carbon Dioxide to Formic Acid, Alkyl Formates, and Formamides," <i>J. Am. Chem. Soc.</i> 118:344-355 (1996). <i>-no month</i> |
| NP | 33. | Jessop et al., "Homogeneous Catalysis in Supercritical Fluids," <i>Chem. Rev.</i> 99:475-493 (1999). <i>-no month</i> |
| NP | 34. | Kainz et al., "Catalytic asymmetric hydroformylation in the presence of compressed carbon dioxide," <i>Catalysis Letters</i> 55:223-225 (1998). <i>-no month</i> |
| NP | 35. | Koch et al., "Rhodium-Catalyzed Hydroformylation in Supercritical Carbon Dioxide," <i>J. Am. Chem. Soc.</i> 120:13398-13404 (1998). <i>-no month</i> |

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WP	36.	McGrath et al.; "Functionalization of Polymers by Metal-Mediated Processes," <i>Chem. Rev.</i> 95:381-398 (1995). <u>no month</u>
NP	37.	Morgenstern et al.; "Supercritical Carbon Dioxide as a Substitute Solvent for Chemical Synthesis and Catalysis," Chapter 11, <i>Green Chemistry, Designing Chemistry for the Environment</i> , ACS Symp. Series 626, pp. 132-151 (1996). <u>no month</u>
WP	38.	Morita et al.; "Palladium-catalyzed cross-coupling reactions in supercritical carbon dioxide," <i>Chem. Commun.</i> 1397-1398 (1998). <u>no month</u>
WP	39.	Palo et al.; "Homogeneous Catalytic Hydroformylation of 1-Octene in Supercritical Carbon Dioxide Using a Novel Rhodium Catalyst with Fluorinated Arylphosphine Ligands," <i>Ind. Eng. Chem. Res.</i> 37:4203-4206 (1998). <u>no month</u>
WP	40.	Peltonen et al.; "Poly[propylene-graft-(4-vinylpyridinium dichromate)]: A Novel Fibrous Polymer-Supported Oxidizing Agent," <i>Ind. Eng. Chem. Res.</i> 33:235-238 (1994). <u>no month</u>
NP	41.	Pesiri et al.; "Selective epoxidation in dense phase carbon dioxide," <i>Chem. Commun.</i> 1015-1016 (1998). <u>no month</u>
NP	42.	Pozzi et al.; "Efficient aerobic epoxidation of alkenes in perfluorinated solvents catalysed by chiral (salen) Mn complexes," <i>Chem. Commun.</i> 877-878 (1998). <u>no month</u>
NP	43.	Sarbu et al.; "Non-fluorous polymers with very high solubility in supercritical CO ₂ down to low pressures," <i>Nature</i> 405:165-168 (11 May 2000).
NP	44.	Stradi et al.; "Phase behavior of the reactants, products and catalysts involved in the allylic epoxidation of trans-2-Hexen-1-ol to (2R,3R)-(+)-3-Propyloxiranemethanol in high pressure carbon dioxide," <i>Journal of Supercritical Fluids</i> 12:109-122 (1998). <u>no month</u>
NP	45.	Takaishi et al.; "Transition Metal Catalyzed Asymmetric Organic Syntheses via Polymer Bound Chiral Ligands, Synthesis of R Amino Acids and Hydratropic Acid by Hydrogenation," <i>Journal of the American Chemical Society</i> 98:17 5400-5402 (August 18, 1976).
NP	46.	Takaishi et al.; "Transition Metal Catalyzed Asymmetric Organic Syntheses via Polymer-Attached Optically Active Phosphine Ligands. Synthesis of R Amino Acids and Hydratropic Acid by Hydrogenation," <i>Journal of the American Chemical Society</i> 100:1 264-268 (January 4, 1978).
NP	47.	Thomas; "Turning Point in Catalysis," <i>Angew. Chem. Int. Ed. Engl.</i> 33:913-937 (1994). <u>no month</u>

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